

07-10-00

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07/07/00
JC662 U.S. PTO

Please type a plus sign (+) inside this box [+]

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 003771.P001D

Total Pages 5

First Named Inventor or Application Identifier Daniel E. Grupp

Express Mail Label No. EL627467566US

JC618 U.S. PTO
09/612607
07/07/00

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. x Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. x Specification (Total Pages 22)
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. x Drawings(s) (35 USC 113) (Total Sheets 5)
4. x Oath or Declaration (Total Pages 4)
 - a. Newly Executed (Original or Copy)
 - b. X Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed) (**Note Box 5 below**)
 - i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. x Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. Microfiche Computer Program (Appendix)

09612607 070700

7. _____ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. _____ Computer Readable Copy

b. _____ Paper Copy (identical to computer copy)

c. _____ Statement verifying identity of above copies

8.	<u> </u>	Assignment Papers (cover sheet & documents(s))
9.	<u> </u>	a. 37 CFR 3.73(b) Statement (where there is an assignee)
	<u> </u>	b. Power of Attorney
10.	<u> </u>	English Translation Document (if applicable)
11.	<u> X </u>	a. Information Disclosure Statement (IDS)/PTO-1449
	<u> X </u>	b. Copies of IDS Citations
12.	<u> X </u>	Preliminary Amendment
13.	<u> X </u>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
14.	<u> </u>	a. Small Entity Statement(s)
	<u> </u>	b. Statement filed in prior application, Status still proper and desired
15.	<u> </u>	Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	<u> X </u>	Other: Copy of the Postcard w/Express Mail Stamp

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

 Continuation X Divisional Continuation-in-part (CIP)
of prior application No: 09/296,858

18. **Correspondence Address**

_____ Customer Number or Bar Code Label _____
 (Insert Customer No. or Attach Bar Code Label here)

X	Correspondence Address Below
----------	------------------------------

NAME Tarek N. Fahmi – Reg. No.: 41,402

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09612607-070700

EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL627467566US
Date of Deposit: 7/7/2000

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

T. J. DELGADO
(Typed or printed name of person mailing paper or fee)

[Signature]
(Signature of person mailing paper or fee)

7/7/2000
(Date signed)

Serial/Patent No.: ***
Client: Acorn Technologies
Title: ELECTROSTATICALLY OPERATED TUNNELING TRANSISTOR
Filing/Issue Date: Herewith

BSTZ File No.: 003771.P001D

Date Mailed: 7/7/2000

Atty/Secty Initials: TNF/pab/tj

Docket Due Date: _____

The following has been received in the U.S. Patent

- ☐ Amendment/Response (____ pgs.)
- ☐ Appeal Brief (____ pgs.) (in triplicate)
- ☐ Application - Utility (____ pgs., with cover and abstract)
- ☐ Application - Rule 1.53(b) Continuation (____ pgs.)
- ☒ Application - Rule 1.53(b) Divisional (22 pgs.)
- ☐ Application - Rule 1.53(b) CIP (____ pgs.)
- ☐ Application - Rule 1.53(d) CPA Transmittal (____ pgs.)
- ☐ Application - Design (____ pgs.)
- ☐ Application - PCT (____ pgs.)
- ☐ Application - Provisional (____ pgs.)
- ☐ Assignment and Cover Sheet
- ☒ Certificate of Mailing (Express Mail)
- ☒ Declaration & POA (4 pgs.) (Copy)
- ☐ Disclosure Docs & Cg & Copy of Inventions Signed Letter (____ pgs.)
- ☒ Drawings: 5 # of sheets includes 9 figures

& Trademark Office on the date stamped hereon:

- ☒ Express Mail No. EL627467566US ☒ Check No. 36278
- ☐ _____ Month(s) Extension of Time Amt: \$690.00
- ☒ Information Disclosure Statement & PTO 149 (8 pgs.) ☐ Check No. _____
- ☐ Issue Fee Transmittal Amt: _____
- ☐ Notice of Appeal
- ☐ Petition for Extension of Time
- ☐ Petition for _____
- ☒ Postcard
- ☐ Power of Attorney (____ pgs.)
- ☒ Preliminary Amendment (2 pgs.)
- ☐ Reply Brief (____ pgs.)
- ☐ Response to Notice of Missing Parts
- ☐ Small Entity Declaration for Indep. Inventor/Small Business
- ☒ Transmittal Letter, in duplicate
- ☒ Fee Transmittal, in duplicate

☒ Other: Copy of postcard with Express Mail Stamp

FEE TRANSMITTAL FOR FY 2000**TOTAL AMOUNT OF PAYMENT (\$)** \$690.00**Complete if Known:****Application No.** Not Yet Assigned**Filing Date** Herewith**First Named Inventor** Daniel E. Grupp**Group Art Unit** Not Yet Assigned**Examiner Name** Not Yet Assigned**Attorney Docket No.** 003771.P001D**METHOD OF PAYMENT (check one)**

1. ☒ **The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:**

Deposit Account Number 02-2666**Deposit Account Name** _____

- ☒ **Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17**

2. ☒ **Payment Enclosed:**

☒ **Check**☐ **Money Order**☐ **Other****FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
101	690	201	345	Utility application filing fee	\$690
106	310	206	155	Design application filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional application filing fee	
SUBTOTAL (1)					\$ 690.00

2. EXTRA CLAIM FEES

			Extra Claims	Fee from below	Fee Paid
Total Claims	<u>3</u>	- 20** =	_____	X _____	= _____
Independent Claims	<u>1</u>	- 3** =	_____	X _____	= _____
Multiple Dependent				_____	= _____

****Or number previously paid, if greater; For Reissues, see below.**

Large Entity		Small Entity		Fee Description
Code	Fee (\$)	Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ _____

01/10/2000

- 1 -

PTO/SB/17 (6/99)

Patent fees are subject to annual revisions. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid.

See Forms PTO/SB/09-12

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	380	216	190	Extension for response within second month	
117	870	217	435	Extension for response within third month	
118	1,360	218	680	Extension for response within fourth month	
128	1,850	228	925	Extension for response within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,210	241	605	Petition to revive unintentionally abandoned application	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	690	246	345	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	690	249	345	For each additional invention to be examined (see 37 CFR 1.129(a))	
Other fee (specify) _____					
Other fee (specify) _____					

SUBTOTAL (3) \$ 0.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Tarek FahmiSignature [Signature]Date 7/7/2000Reg. Number 41,402

Deposit Account User ID _____

(complete if applicable)